

Serial No. Not Yet Assigned

Atty. Doc. No. 2005P02667WOUS

Amendments To The Claims:

Please amend the claims as shown.

1 – 21 (canceled)

22. (new) A blade or vane component with a basic airfoil shape for a rotary machine having a rotor mounted along a rotational axis of the machine, comprising:

an inner space defined by a first wall radially extending perpendicular to the rotor axis, a second wall arranged opposite the first wall, an inlet area arranged at a radially inward end of the first and second walls, a top area arranged opposite the inlet area and at a radially outer end of the first and second walls, and an outlet area arranged toward a trailing edge of the component, wherein the inner space forms a passage for a cooling fluid that flows from the inlet area toward the outlet area;

a plurality of first ribs projecting from the first wall, having a first rib extension extending substantially parallel to each other from a leading end of the first ribs to a trailing end of the first ribs, having a main thickness along a main portion of the first rib extension and a greater thickness at the trailing end of the first rib extension and forming a plurality of first channels in which the cooling fluid flows; and

a plurality of second ribs projecting from the second wall, having a second rib extension extending from a leading end of the second ribs to a trailing end of the second ribs, having a main thickness along a main portion of the second rib extension and a greater thickness at the trailing end of the second rib extension and forming a plurality of second channels in which the cooling fluid flows,

wherein the first and second ribs intersect at intersection joints arranged in the trailing end of the component such that each intersection of the first and second channels forms a common outlet channel having a reduced flow area at the trailing edge due the increased rib thickness of the first and second ribs.

23. (new) The component according to claim 22, wherein each common outlet channel has a height measured from the first wall to the second wall,

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each first channel has a first height measured from the first wall to the end of the protrusion of the first rib, and

each second channel has a second height measured from the second wall to the end of the protrusion of the second rib.

24. (new) The component according to claim 23, wherein the plurality of first ribs each extend parallel to every first rib and the plurality of second ribs each extend parallel to every second rib.

25. (new) The component according to claim 24, wherein the plurality of first ribs extend from the leading end to the trailing end along a first direction in the proximity of the leading end and along a second direction in the proximity of the trailing end and the first direction is inclined in relation to the second direction and the first direction forms a first angle of inclination with respect to the rotary axis of the rotor.

26. (new) The component according to claim 25, wherein that the plurality of first ribs extend from the leading end to the trailing end along an essentially continuously curved path.

27. (new) The component according to of claim 26, wherein the plurality of second ribs extend from the leading end to the trailing end along a third direction in the proximity of the leading end and along a fourth direction in the proximity of the trailing end, wherein the third direction is inclined in relation to the fourth direction and the third direction forms a third angle of inclination with respect to the rotary axis of the rotor.

28. (new) The component according to claim 27, wherein the plurality of second ribs extend from the leading end to the trailing end along an essentially continuously curved path.

29. (new) The component according to claim 28, wherein the second direction is essentially parallel the fourth direction.

30. (new) The component according to claim 30, wherein the second direction and the fourth direction are substantially parallel to the rotary axis.

31. (new) The component according to claim 30, wherein the first direction intersects the third direction.

32. (new) The component according to claim 31, wherein the component is configured to mount to the rotor such that the third direction slopes from the leading end towards the rotary axis.

33. (new) The component according to claim 32, wherein the component is configured to mount to the rotor such that the first direction slopes from the leading end away from the rotary axis.

34. (new) The component according to claim 33, wherein the component is configured to mount to the rotor such that the plurality of first ribs are provided on a pressure side of the component and that the second ribs are provided on a suction side of the component.

35. (new) The component according to claim 34, wherein the first and second ribs extend over a leading zone extending from the leading end and a trailing zone extending from the trailing end.

36. (new) The component according to claim 35, wherein the component further includes additional first ribs projecting from the first wall and extending substantially parallel to the existing plurality of first ribs over the trailing zone to the trailing end, wherein the additional first ribs are arranged between the existing plurality of first ribs such that every first channel is divided into two parallel first part channels that extend over the trailing zone.

37. (new) The component according to claim 36, wherein the component further includes additional second ribs projecting from the second wall and extending substantially parallel to existing plurality of second ribs over the trailing zone to the trailing end, wherein the

additional second ribs are arranged between the existing plurality of second ribs such that every second channel is divided into two parallel second part channels that extend over the trailing zone.

38. (new) The component according to claim 37, wherein the additional first and second ribs intersect at an intersection joint in the proximity of the trailing end such that one of the first part channels together with one of the second part channels forms a common outlet channel having a flow area.

39. (new) The component according to claim 38, wherein the additional first and second ribs have a main thickness along a main portion of the respective rib extension and a greater respective rib at the intersection joint that reduces the flow area of the common channels.

40. (new) The component according to claim 39, wherein the inner space includes a distribution chamber arranged between the inlet area and the leading end of the first and second ribs and configured to distribute the cooling fluid from the inlet to substantially all of the cooling channels.

41. (new) The component according to claim 40, wherein the distribution chamber extends from the bottom portion to the top portion of the component.